

FIG. 2

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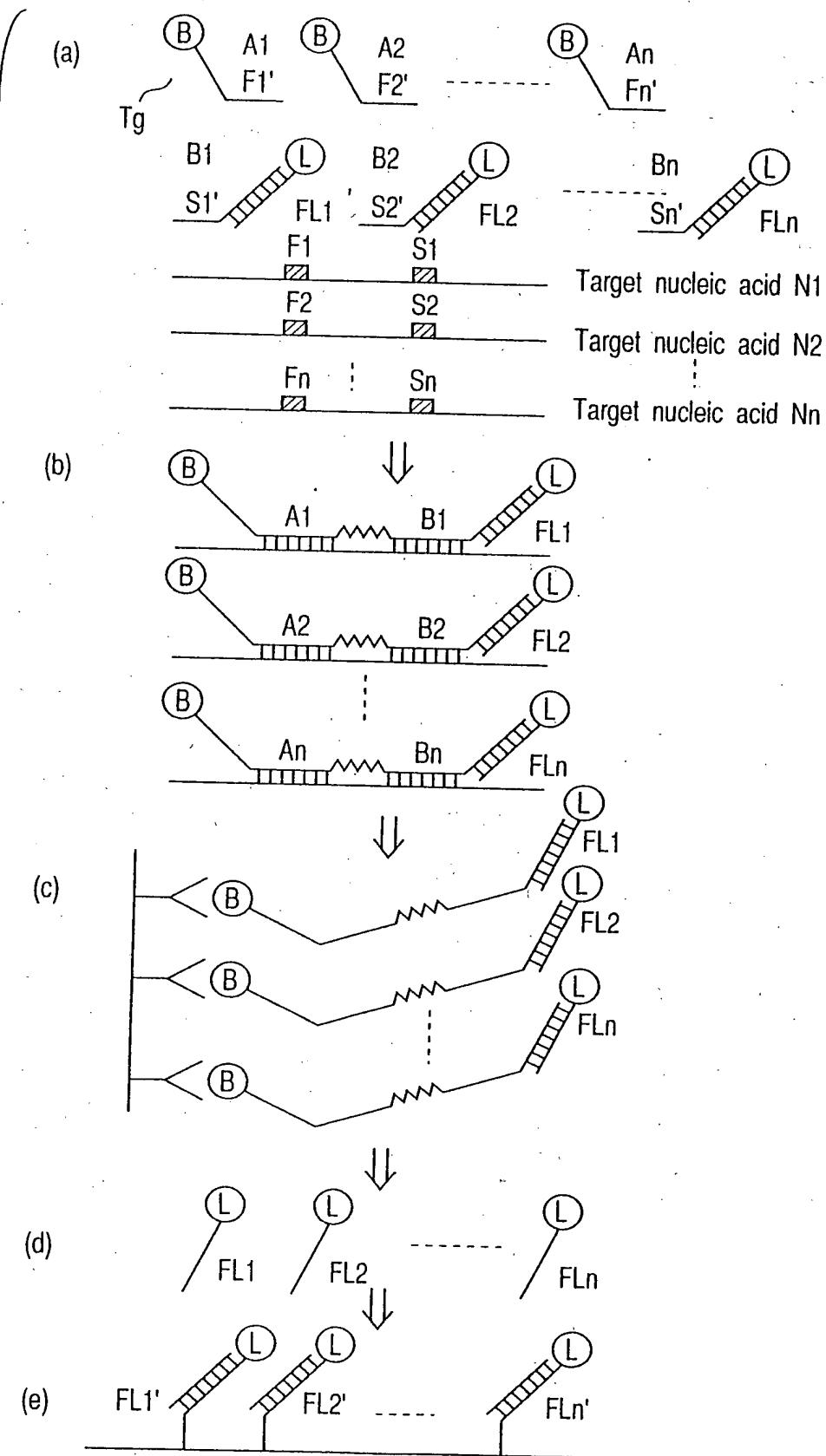


FIG. 3

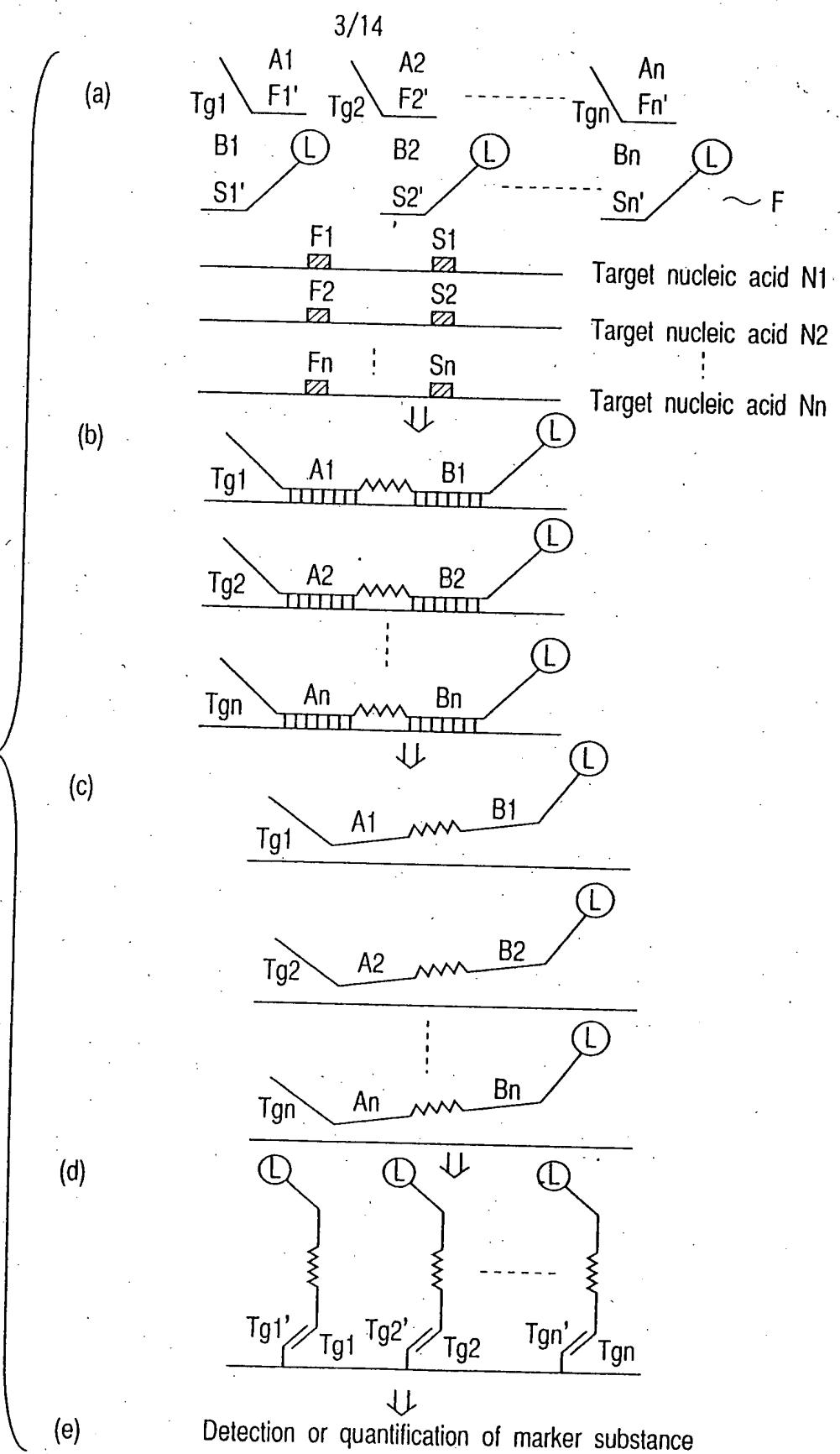


FIG. 4

(a)

Tg1 \ A1 Tg2 \ A2 ----- Tgn \ An

B1 L FL1 B2 L FL2 ----- Bn L FLn

Target nucleic acid N1

Target nucleic acid N2

Target nucleic acid Nn

(b)

↓

A1 B1 L
Target nucleic acid N1A1 B1 L
Target nucleic acid N2A1 B1 L
Target nucleic acid Nn

(c)

B1 L B2 L Bn L
Tg1' A1 Tg2' A2 Tgn' An A A
↓

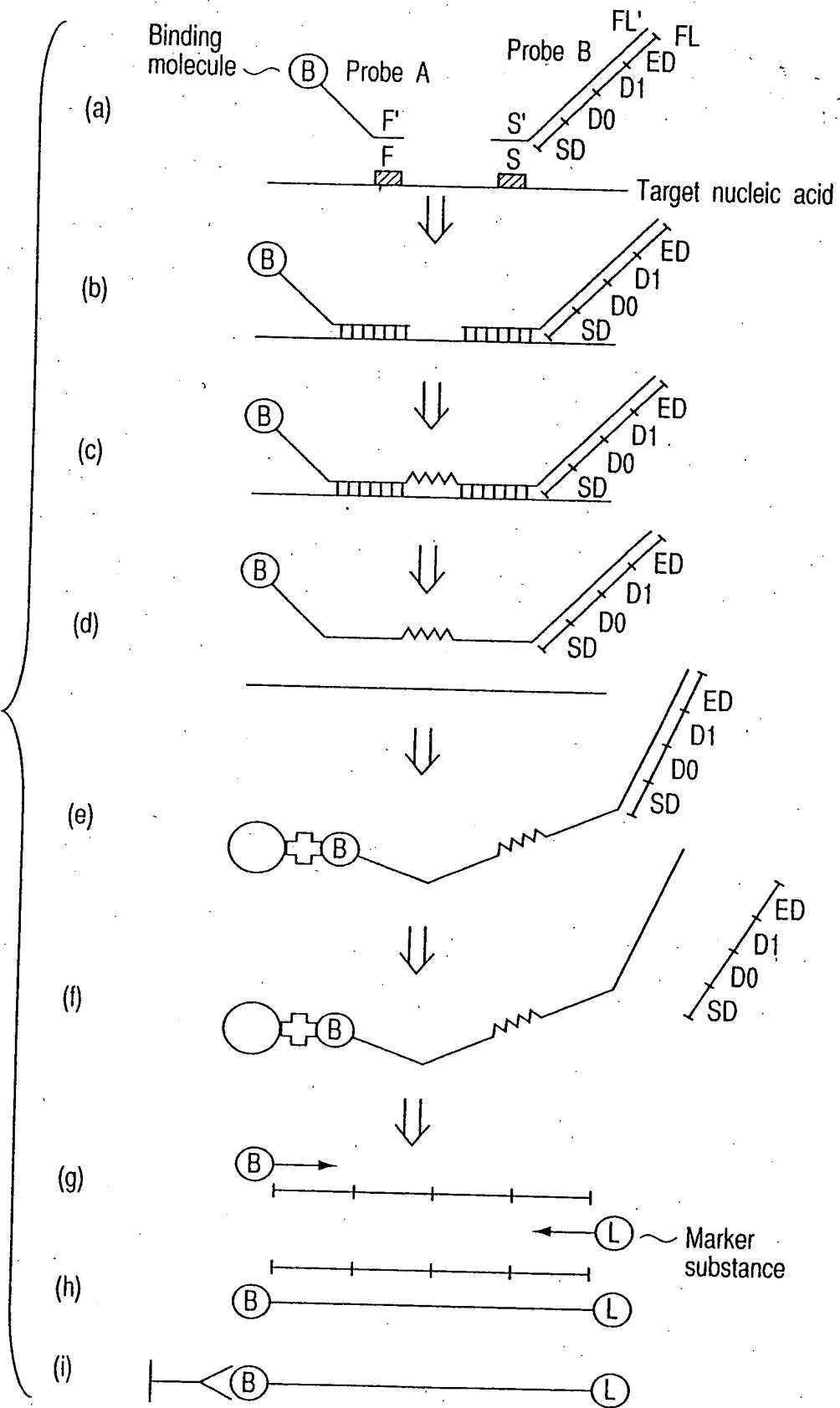
(d)

FL1' L Tg1 FL2' L Tg2 FLn' L Tgn
↓

(e)

Detection or quantification of marker substance

FIG. 5



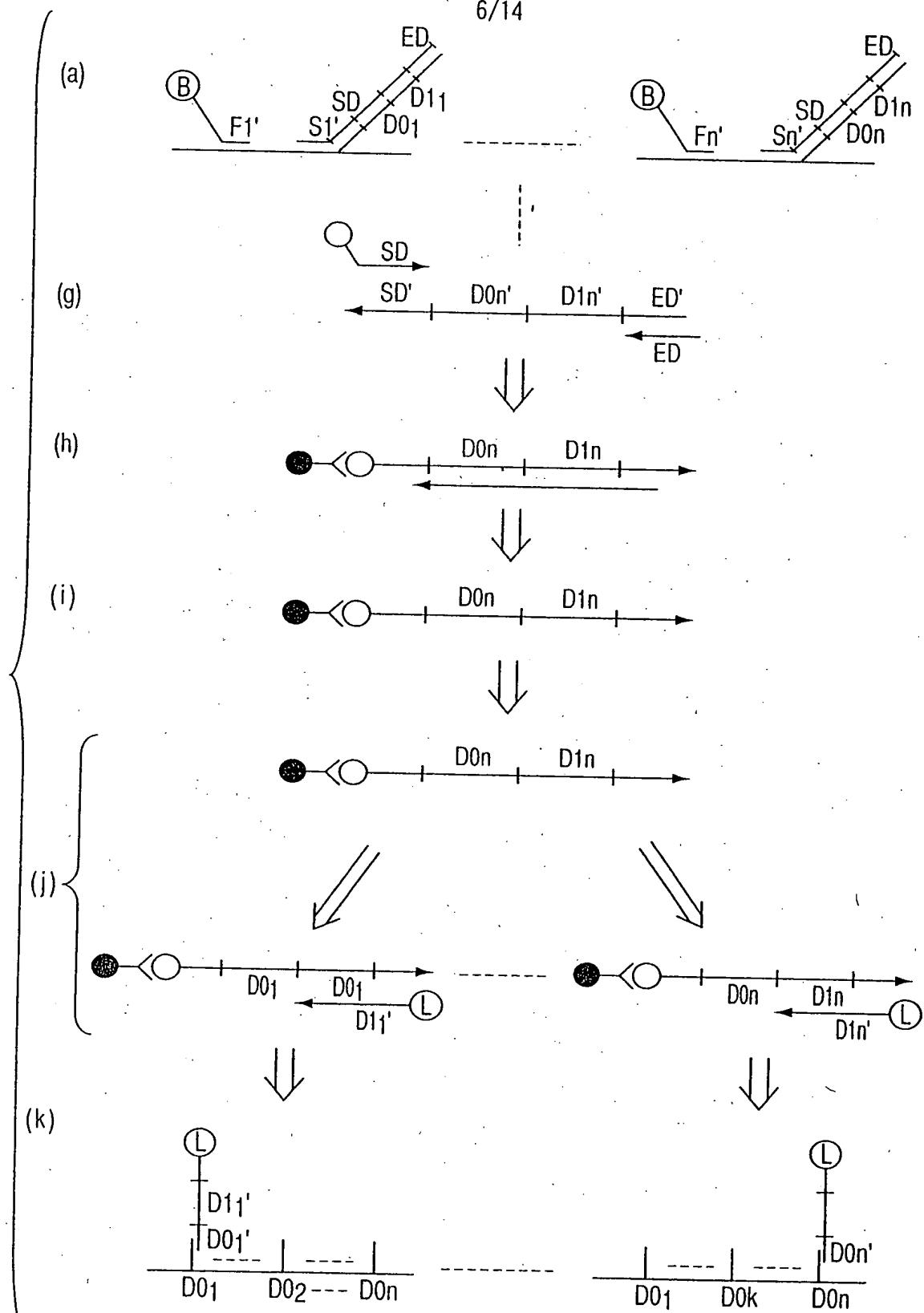


FIG. 6

		D0									
		D0-1	D0-2	D0-3	D0-4	D0-5	D0-6	D0-7	D0-8	D0-9	D0-10
D1	D1-1	1									
	D1-2										
	D1-3										
	D1-4										
	D1-5										
	D1-6										
	D1-7										
	D1-8										
	D1-9										
	D1-10										

FIG. 7A

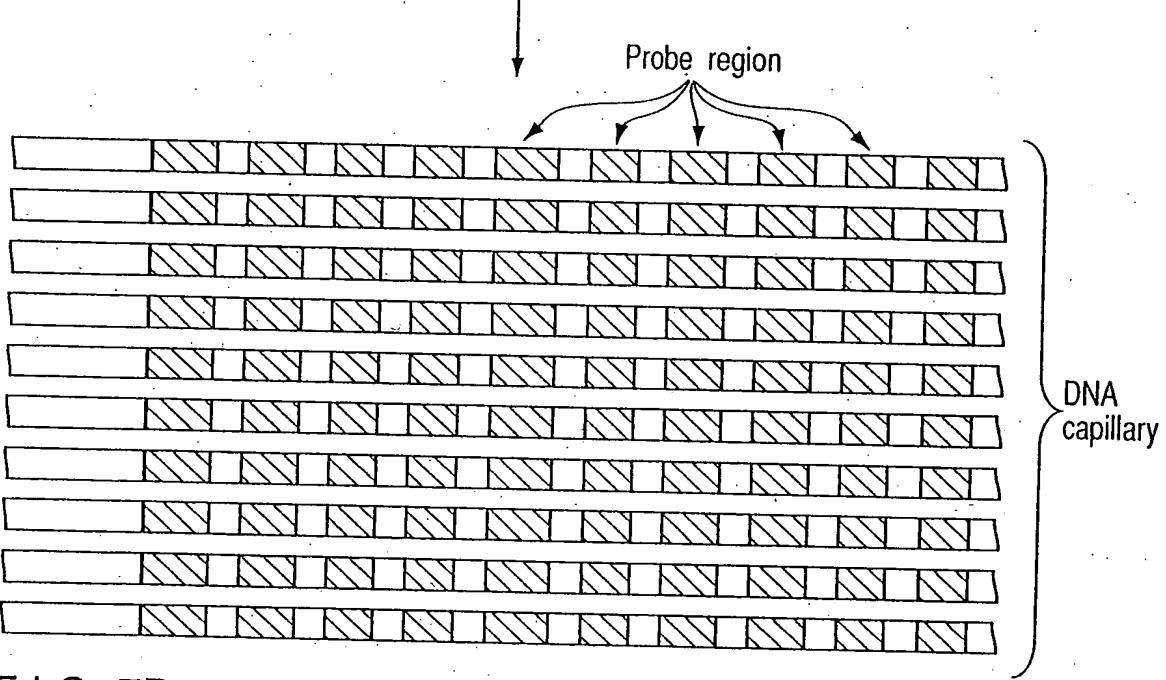


FIG. 7B

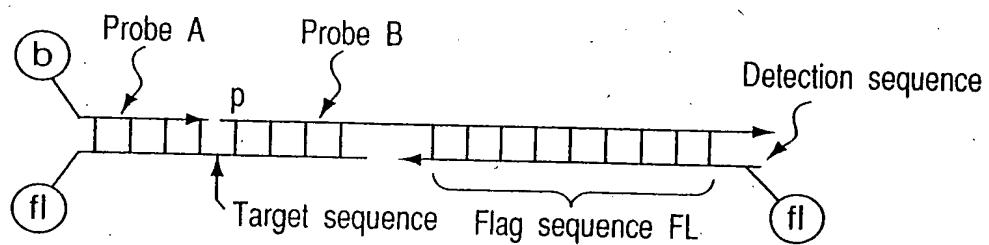
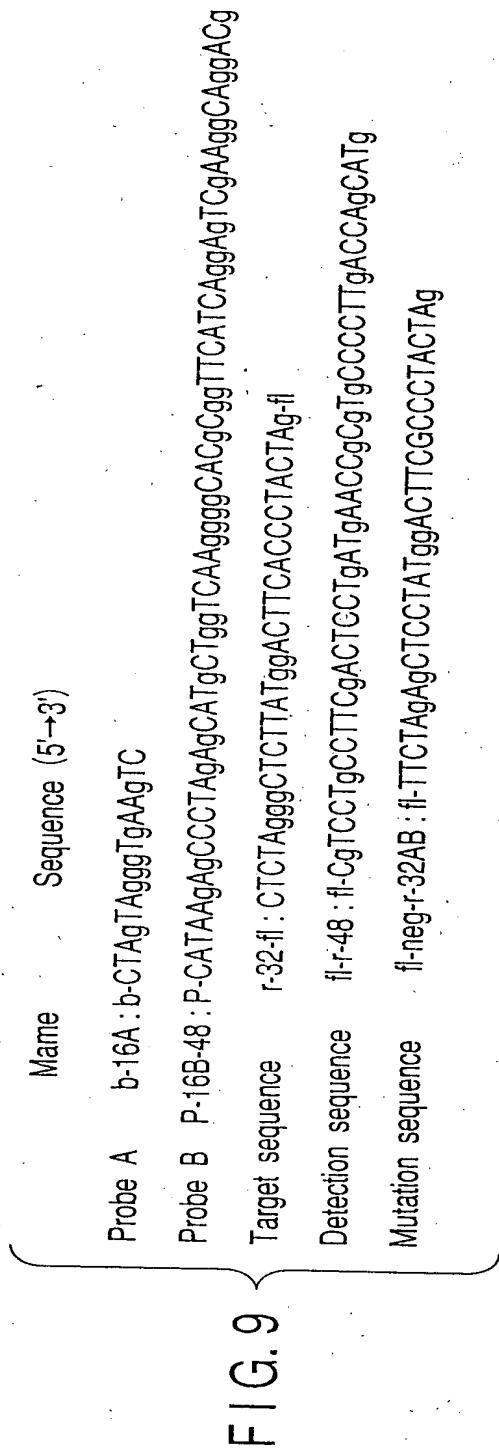


FIG. 8



Ligation reaction on target sequence

↓

Unreacted material is removed (cold prewashing)

↓

Target sequence is removed (cold washing)

↓

Recovering detection sequence (hot washing)

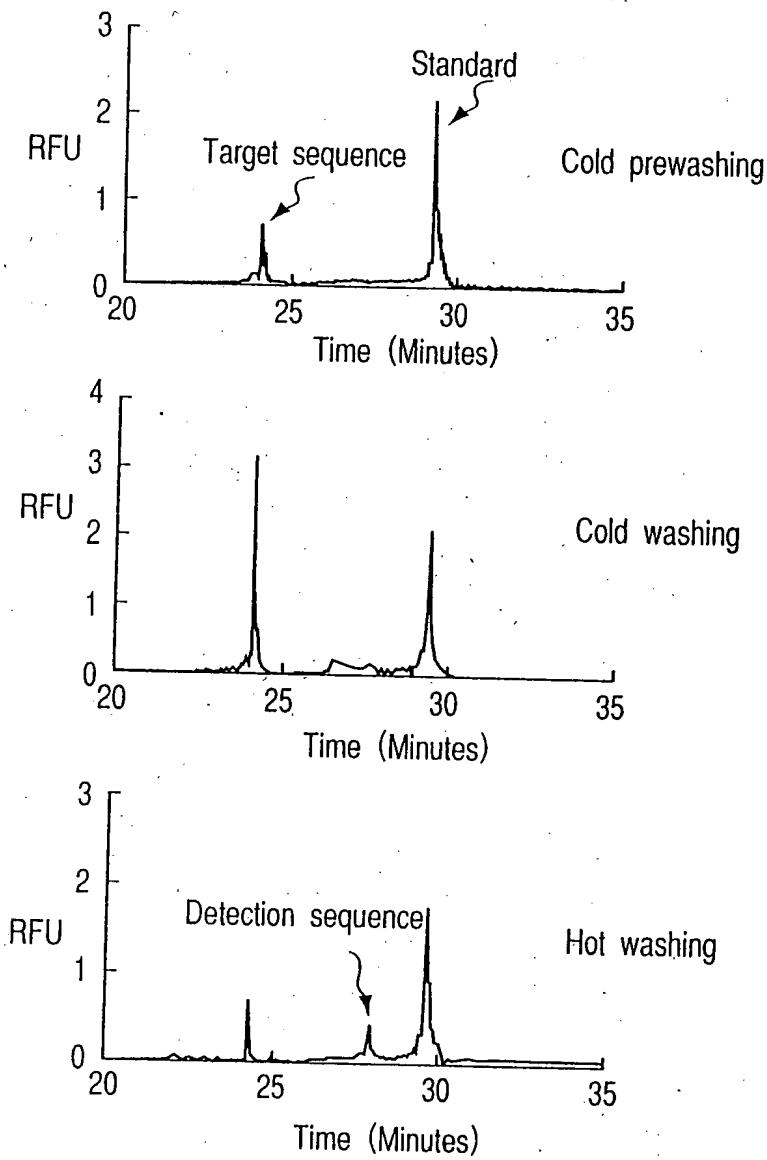


FIG. 10

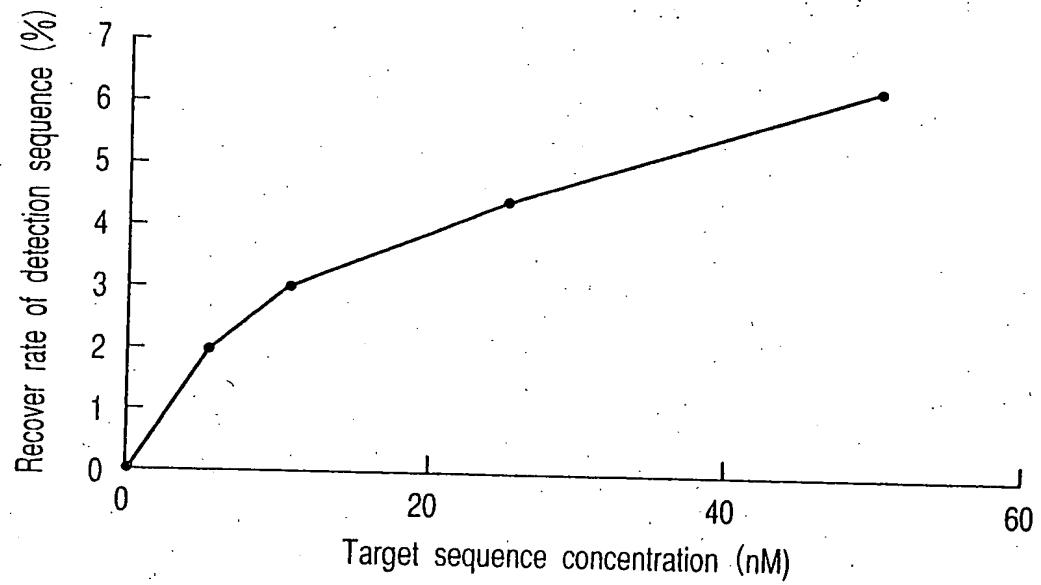


FIG. 11

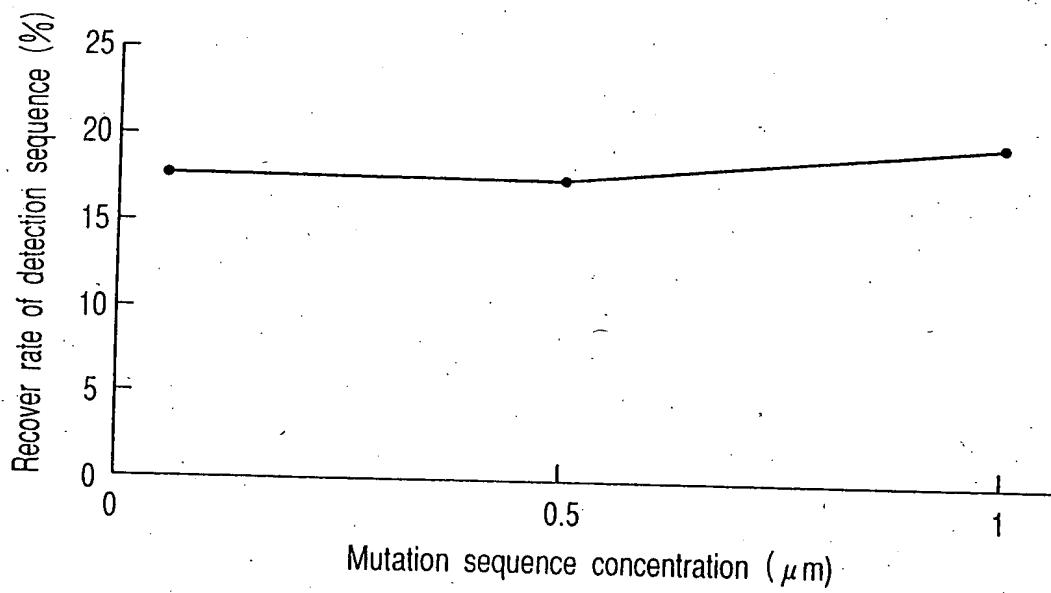


FIG. 12

Nucleotide sequence used in evaluation experiment

F1GTP+SiGTP

F1LRG-47+SiLRG-47
 5'-TCCTATATTCAACTgTAATAgCCCCgTTCCCT-3'
 (Mouse γ -derived GTPase family gene, lGTP)

5'-ATTTCCCTCTgAAACAAATAAAgTCggTTCC-3'
 (Mouse γ -derived GTPase family gene, LRG-47)

■ Probe A

F1GTP
 F1LRG-47
 ■ Probe B

Probe A Probe B
 (B) Probe A Probe B
 S' SD SD ED
 F F D0 D1
 5'-TAATAgCCCCgTTCCCT-3'
 5'-AATAAAgTCggTTCC-3'
 5'-TgAAAGTCACCACAAACACACAgTACA-3'
 5'-TCTCAgTCCCAGTCCATTTCCTTAC-3'
 5'-ACgACgATgAAAAACTACgAgggAC-3'
 D0lGTP=0
 D0lLRG-47=1
 D1lGTP=D1lLRG-47=1

Target nucleic acid sequence

FIG. 13A

FIG. 13B

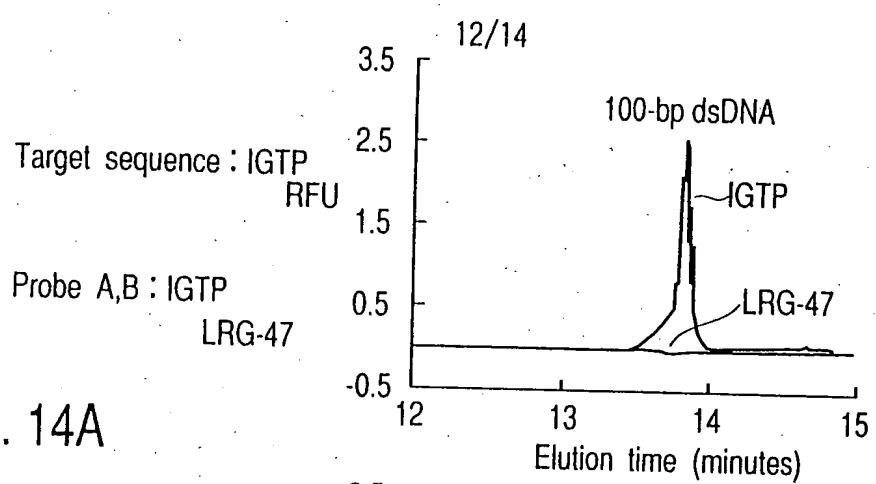


FIG. 14A

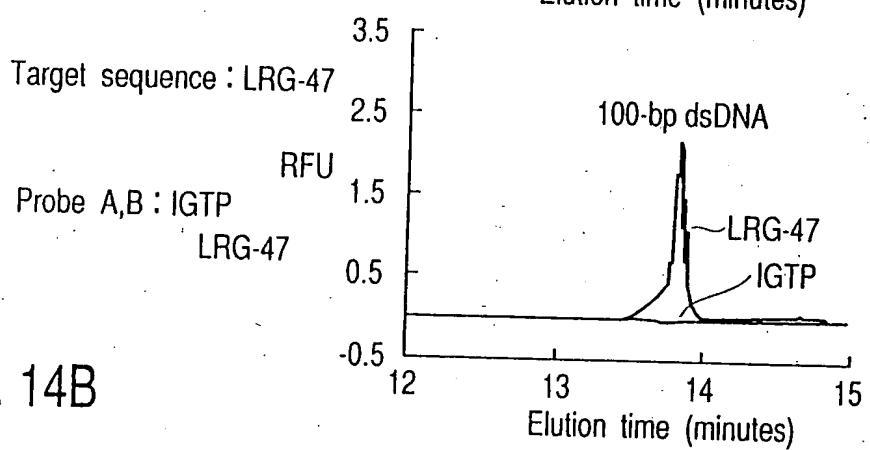
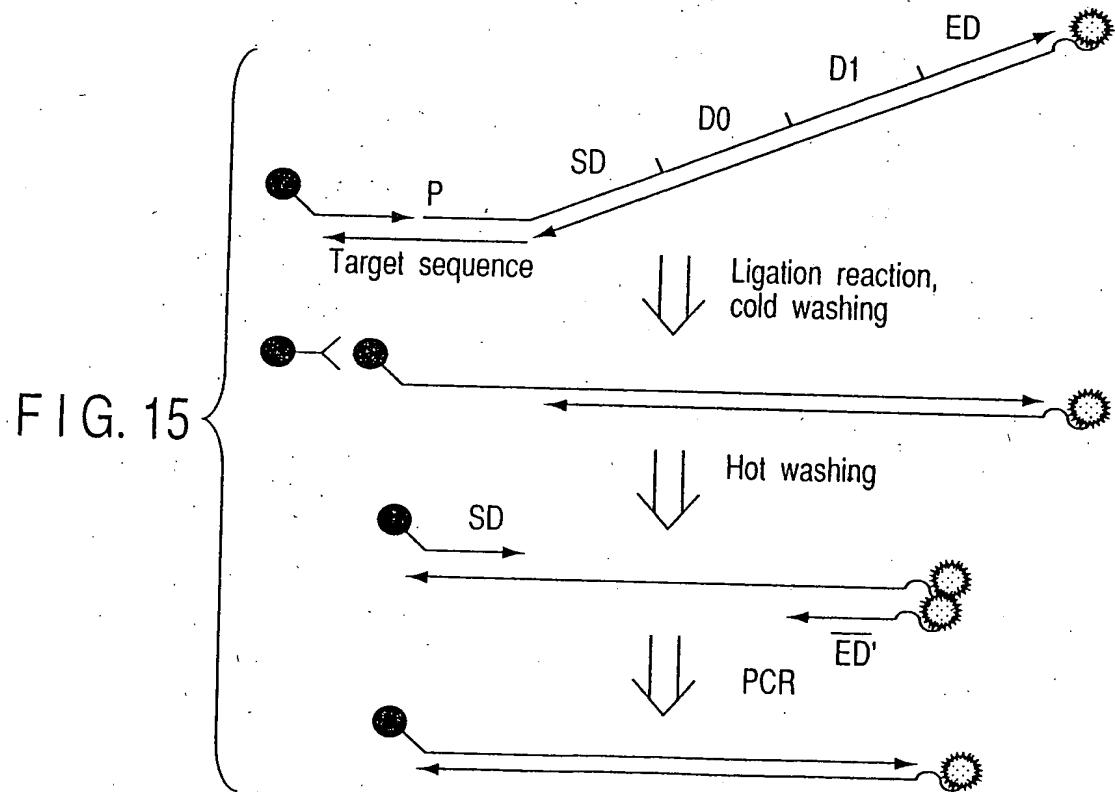


FIG. 14B



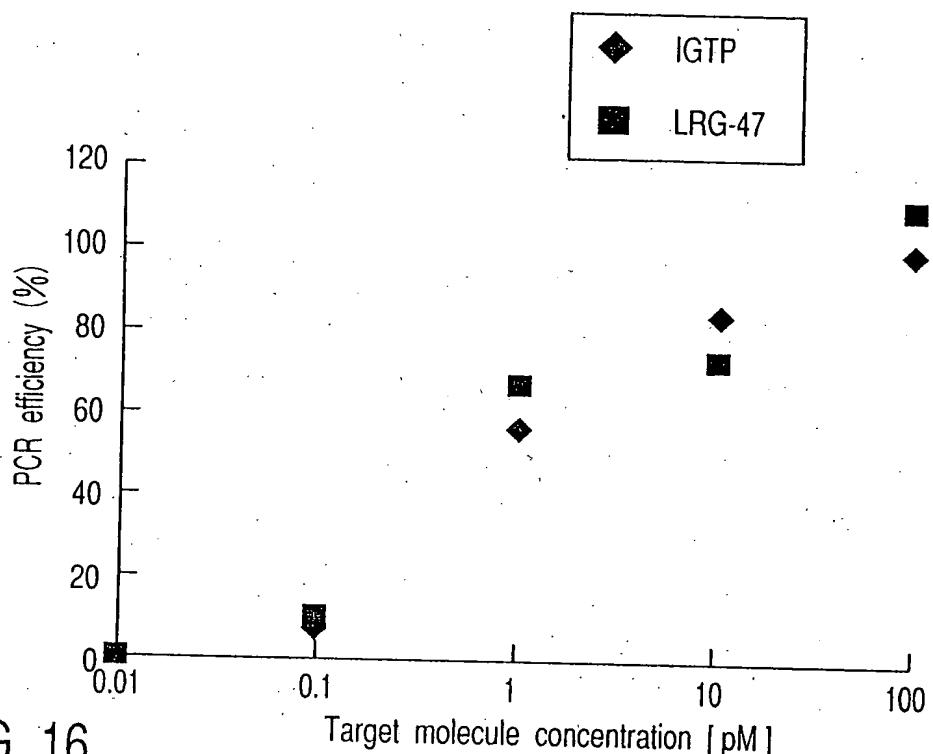


FIG. 16

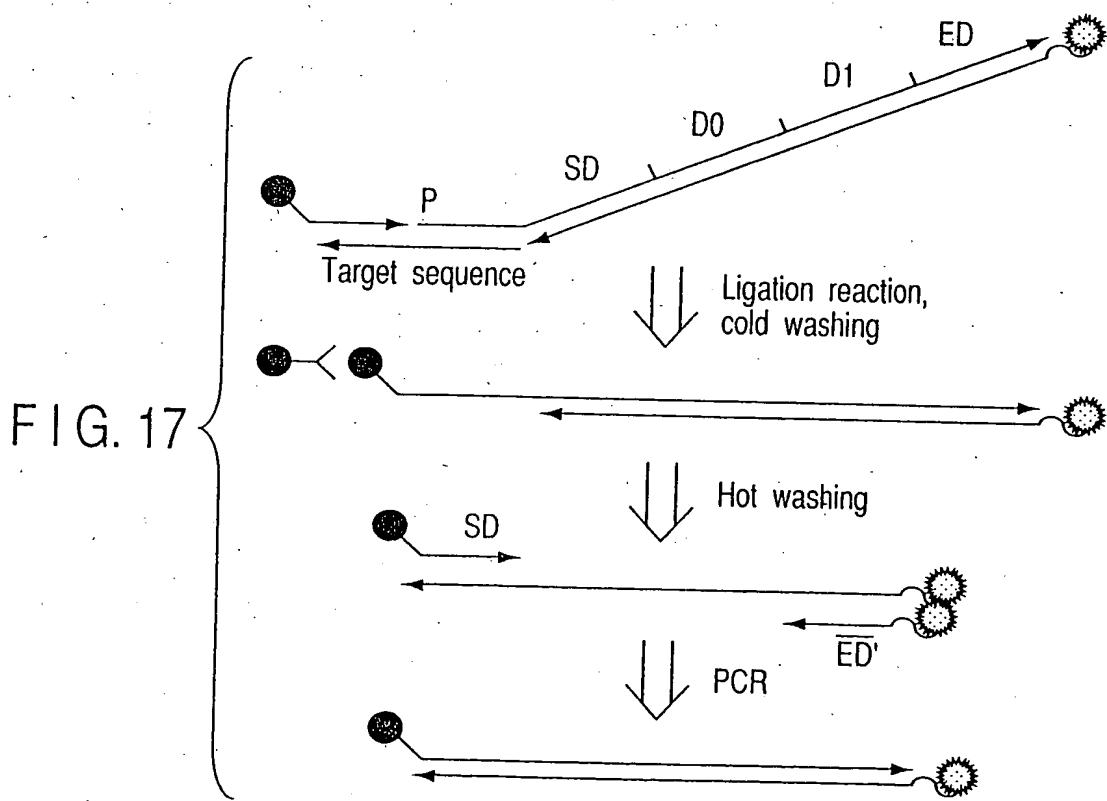


FIG. 17

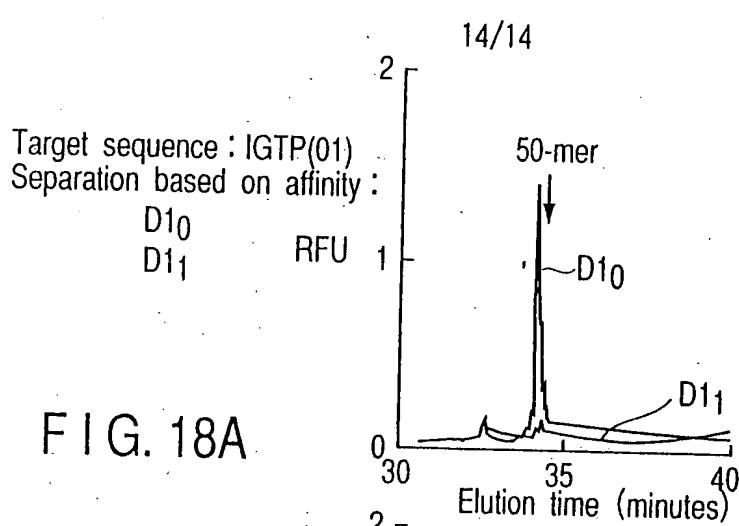


FIG. 18A

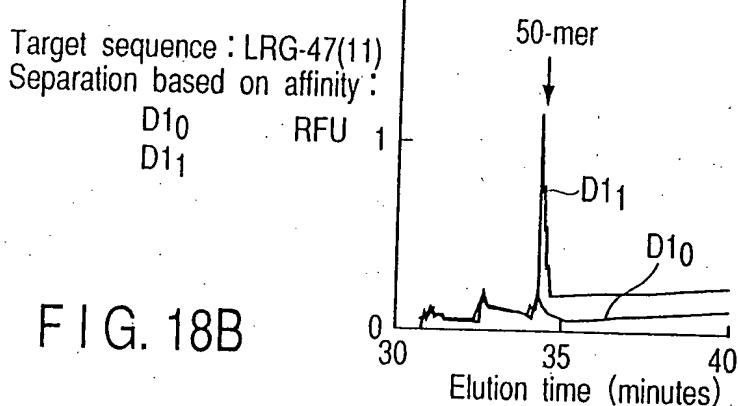


FIG. 18B

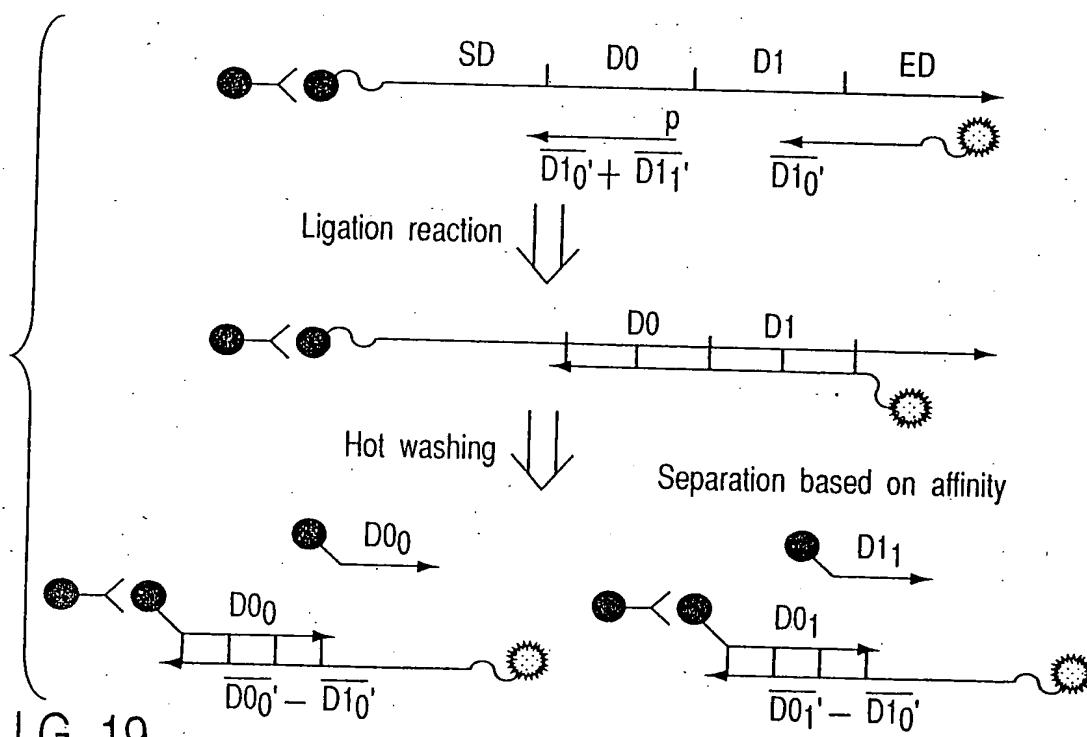


FIG. 19